

ABSTRACT

Disclosed herein are techniques for accumulating a human T-cell epitope in rice albumen, particularly a method of directly accumulating a T-cell epitope-linked peptide, such as 7 Crp, in
5 rice seeds and a method of inserting 7 Crp into a variable region of glutelin, the major storage protein of rice, to express and accumulate 7 Crp as a part of the glutelin storage protein. Rice producing the T-cell epitope-linked peptide developed in accordance with the present invention is expected to function as an edible vaccine against Japanese cedar pollinosis.